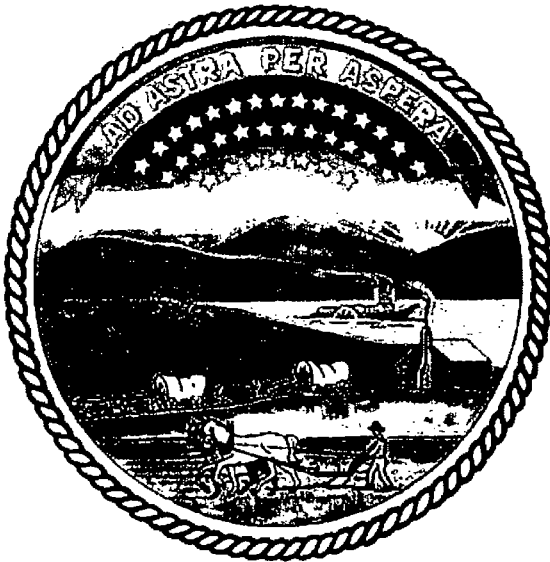


Curtis State Office Building
1000 SW Jackson, Suite 410
Topeka, Kansas 66612-1367

Kansas Department of Health and Environment

Site Inspection



DeBruce Grain
Wichita, Kansas

FINAL

Bureau of Environmental Remediation

40481226



Superfund

1.0

0000

Our Mission: To protect and improve the health and environment of all Kansans

Site Inspection

DeBruce Grain

Wichita, Kansas

Prepared by:

**Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section
Site Assessment Program**

September 2014

State ID: C2-087-73093

EPA ID: KSN000706409

Project Manager: Nicholas Schneider, Environmental Scientist II

Field Team Members:

Farrell Dallen, Environmental Scientist II

John Jones, Environmental Scientist II

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	SITE INFORMATION.....	1
2.1	SITE LOCATION AND DESCRIPTION	1
2.2	SITE BACKGROUND	1
2.3	HAZARDOUS SUBSTANCE CHARACTERISTICS	3
3.0	ASSESSMENT ACTIVITIES	3
3.1	GROUNDWATER SAMPLE COLLECTION.....	3
3.2	SOIL SAMPLE COLLECTION	4
3.3	ANALYTICAL RESULTS	4
3.4	QUALITY ASSURANCE PROCEDURES.....	4
4.0	GROUNDWATER PATHWAY.....	5
4.1	SITE GEOLOGY.....	5
4.2	GROUNDWATER TARGETS.....	5
4.3	GROUNDWATER PATHWAY CONCLUSIONS	6
5.0	SURFACE WATER PATHWAY.....	6
5.1	HYDROLOGIC SETTINGS	6
5.2	SURFACE WATER TARGETS	7
5.3	SURFACE WATER PATHWAY CONCLUSIONS	7
6.0	SOIL EXPOSURE AND AIR PATHWAYS	7
6.1	PHYSICAL CONDITIONS	7
6.2	SOIL EXPOSURE AND AIR PATHWAY TARGETS	7
6.3	SOIL EXPOSURE AND AIR PATHWAY CONCLUSIONS.....	7
7.0	SUMMARY AND CONCLUSIONS	7
8.0	REFERENCES.....	8
9.0	APPENDICES	10

Appendix 9.1	Figures and Tables
Appendix 9.2	Photographic Documentation
Appendix 9.3	Analytical Data
Appendix 9.4	Field Notes

1.0 Introduction

This document presents the findings of a Site Inspection (SI) conducted by the Kansas Department of Health and Environment (KDHE) at the DeBruce Grain site in Wichita, Kansas. The assessment was conducted as part of continuing cooperative agreement with the United States Environmental Protection Agency (EPA) to perform investigations of selected sites to evaluate potential or actual releases of hazardous substances, pollutants, or contaminants in Kansas. These investigations are performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 and consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) 40 CFR § 300.400-300.425.

This SI was initiated by KDHE's Bureau of Environmental Remediation in response to the discovery of tetrachloromethane (carbon tetrachloride) in industrial wells for Westar Energy's Murray Gill Energy Center. The purpose of this SI is to determine the source of contaminants, collect sufficient information to assess the threat posed to human health and the environment, and to determine the need for further action under CERCLA/SARA consistent with the NCP. The investigation included review of historical information, collection of groundwater samples, evaluation of the site using the Hazard Ranking System (HRS) guidance, and compilation of a comprehensive target survey. The DeBruce Grain site has the EPA ID #KSN000706409.

2.0 Site Information

2.1 Site Location and Description

The former DeBruce Grain facility is located at 5755 South Hoover Road in Wichita, Sedgwick County, Kansas. The facility is currently owned and operated by Gavilon Grain and consists of an 18 million bushel concrete grain elevator, a lean-to grain storage building along the southeastern edge of the elevator, eight stand-alone warehouses, and an office building. The facility is surrounded by Westar Energy's Murray Gill Energy Center to the north, residences and cropland to the east, cropland to the south, Occidental Chemical Corporation and Atofina Chemicals to the southwest, and a railroad and cropland to the west. The public land survey description for the site is Sections 22 and 27 of Township 28 South and Range 1 West. The ground surface is generally level other than surface water drainage ditches along roadsides and the railroad.

2.2 Site Background

The grain elevator was constructed between 1953 and 1955 for the Garvey Grain Company. The facility was sold to DeBruce Grain, Inc., in 1996 and then to Gavilon Grain, LLC, in 2010. An explosion occurred at the facility in 1998 and destroyed several of the concrete silos, the head house, and the gallery above the northern silos. In response, the EPA initiated a responsible party emergency removal action and the site was placed in CERCLIS as the DeBruce Grain Elevator Explosion site, identification number

KSN000706409 (Reference 1). A 1972 KDHE Source Emission Report from Garvey Grain, Inc., indicated the facility used ten cases of phostoxin (aluminum phosphide) and nine thousand gallons of liquid 80-20 (80% carbon tetrachloride and 20% carbon disulfide) annually for grain fumigation (Reference 2).

The adjacent Occidental Chemical Corporation facility was constructed in 1951 by the Frontier Chemical Company. The Frontier Chemical Company merged with Follansbee Steel Corporation to become the Union Chemical and Material Corporation. The Union Chemical and Material Corporation was subsequently sold to the Vulcan Materials Company, then sold to Basic Chemicals, and finally sold to the Occidental Chemical Corporation. The facility produced various chemicals including chloroform and carbon tetrachloride. From the 1970s to present, numerous environmental investigations have been conducted. The EPA identifies the facility as Basic Chemicals #J07 (EPA Facility ID 110017424312). Environmental reports provided to EPA by the Occidental Chemical Corporation have documented widespread groundwater impacts of volatile organic compounds (VOCs) including carbon tetrachloride and chloroform, semi-volatile organic compounds, herbicides, and chloride. The groundwater contamination at the Occidental Chemical Corporation facility is being addressed through the Resource Conservation and Recovery Act (RCRA) Corrective Action Program under EPA oversight (Reference 3).

The adjacent Racon/Atofina/Arkema property operated a fluorocarbon manufacturing plant from 1965 to 2002. The facility produced refrigerants including trichlorofluoromethane (R-11), dichlorodifluoromethane (R-12), and chlorodifluoromethane (R-22). Numerous chemicals were used in the production of refrigerants including chloroform and carbon tetrachloride. In 2002 the property entered into the KDHE Voluntary Cleanup and Property Redevelopment Program. Several investigations have been conducted and results indicate widespread VOC contamination in soil and groundwater including groundwater impacts of carbon tetrachloride and chloroform (Reference 4).

The Westar Energy, Inc., Murray Gill Energy Center, located approximately 0.5 mile north of the site, began operation in 1954. The power plant is a 317-megawatt natural gas and oil fired power plant.

KDHE conducted a Preliminary Assessment at the grain elevator property in 2014 to determine if the facility was an additional source of carbon tetrachloride contamination in groundwater. Groundwater samples were collected from 34 and 52 feet in depth from six locations on the west/upgradient side of the elevator and nine locations on the east/downgradient side. The maximum detection of carbon tetrachloride on the upgradient side was 3,700 micrograms per liter ($\mu\text{g/L}$) while the maximum detection on the downgradient side was 19,000 $\mu\text{g/L}$. The shallow interval had only trace or no detections in all samples except the two samples nearest to and downgradient of the head house for the elevator. Both shallow and deep samples at the nearest sample to the head house indicated carbon tetrachloride at 15,000 $\mu\text{g/L}$. The grain elevator was determined to be an additional source of carbon tetrachloride contamination in groundwater (Reference 2).

This SI was initiated to investigate detections of carbon tetrachloride in industrial wells for the Murray Gill Energy Center. The EPA has established a network of monitoring wells surrounding the Occidental Chemical, Atofina, and Gavilon Grain facilities, which they

monitor yearly. During the sampling events, the eight original industrial wells for the Murray Gill Energy Center have also been sampled. Three of the wells indicated carbon tetrachloride at 27 µg/L, 1 µg/L, and 0.5 µg/L during the 2013 sampling event. The impacted wells are 0.3, 1.4, and 0.9 miles north-northwest of the grain elevator, respectively.

2.3 Hazardous Substance Characteristics

Carbon tetrachloride has been utilized as a grain fumigant, in fire extinguishers, in the production of refrigeration fluid and propellants for aerosol cans, as a cleaning fluid and degreasing agent, and in spot removers. However, it is currently banned for these uses and is only used in limited industrial processes. Carbon tetrachloride does not occur naturally and does not dissolve easily in water. It is a clear liquid with a sweet smell and volatilizes quickly into a gas. High exposures can cause liver, kidney, and central nervous system damage. Very high exposures can lead to headaches, dizziness, sleepiness, nausea, and vomiting, and in severe cases coma and death. Carbon tetrachloride is reasonably assumed to be a carcinogen (Reference 5).

3.0 Assessment Activities

3.1 Groundwater Sample Collection

KDHE personnel collected groundwater samples from domestic wells on July 29 and August 4, 2014, and from direct-push locations on August 11 and 12, 2014. A total of ten domestic well samples were collected, including nine drinking water wells and one pond-filling well. The direct-push samples were collected using a Geoprobe. Samples were collected from two depths in nine locations.

Each domestic well was sampled using an outside spigot except the Mark Bergkamp well, which was sampled using a kabis sampler. The spigot was turned on and allowed to purge for two to three minutes before slowing the flow and filling two acidified 40-milliliter (mL) vials. The Mark Bergkamp residence was under construction and the well had not yet been fitted with a pump. An unacidified 40-mL vial was attached to the kabis sampler and lowered to the bottom of the well using nylon string. The sampler was retrieved and the vial was removed and topped off with water left in the sampler. The process was repeated for a second vial. All vials were sealed headspace-free and placed into an iced cooler immediately following collection.

KDHE personnel utilized a Model 6600 Geoprobe for the direct-push locations along South 55th Street and South Ridge Road. The samples were collected on the shoulder of the road, in the ditch if accessible, or on driveways over culverts. A screened sampler was advanced to 78 or 79 feet below ground surface (bgs) before the screen was released. A stainless steel check valve was attached to polyethylene tubing and lowered down the center of the probe rods and into the sampler. One liter of groundwater was purged prior to pinching off and retrieving the tubing. The check valve was removed and a sample was gravity-fed into two acidified 40-mL vials. These samples are labeled with a “D” at the

end of the sample identification number. The screened sampler was then raised to a total depth between 53 and 60 feet bgs. A clean check valve was attached to new polyethylene tubing and lowered down the probe rods. One liter of groundwater was purged prior to retrieving the tubing. The sample was gravity-fed from the bottom of the tubing into two acidified 40-mL vials. These samples are labeled with an “S” at the end of the sample identification number. All samples were placed into an iced cooler immediately following collection.

Following the collection of the shallow groundwater sample, the probe rods were removed and the resulting hole was filled and plugged with granular bentonite.

All samples were submitted to the Kansas Health and Environmental Laboratories for VOC analysis by EPA Method 8260.

3.2 Soil Sample Collection

There were no soil samples collected during this SI.

3.3 Analytical Results

Analytical results for groundwater samples are compared to the EPA’s Maximum Contaminant Levels (MCL) where available (Reference 6). VOCs without an established MCL were compared to KDHE’s residential Tier 2 Risk-based Standards for Kansas (RSK) levels (Reference 7).

Carbon tetrachloride was detected in sample D-1S at 0.6 µg/L, D-1D at 6.7 µg/L, D-2D at 3.7 µg/L, D-22 at 3.4 µg/L. The concentration of carbon tetrachloride in sample D-1D exceeds the MCL of 5 µg/L. Chloroform was detected in D-1S at 1.3 µg/L, D-1D at 7.6 µg/L, D-2D at 3.7 µg/L, D-22 at 3.8 µg/L, and D-3D at 2.9 µg/L. All detections of chloroform were below its MCL of 80 µg/L. Chloromethane was detected in D-7S at 0.74 µg/L, below its RSK of 127 µg/L. Tetrachloroethylene (PCE) was detected in D-1D at 1.4 µg/L and D-2D at 0.54 µg/L, below its MCL of 5 µg/L. Trichloroethylene (TCE) was detected in D-1D at 2.1 µg/L and D-22 at 0.51 µg/L. Bromoform and toluene were detected in trace concentrations in one and three samples, respectively.

There were no detections of any VOCs in any domestic well.

3.4 Quality Assurance Procedures

A Quality Assurance Project Plan (QAPP) was developed for the site by completing a site-specific addendum to the Site Assessment Program’s generic QAPP. All samples were collected in accordance with appropriate standard operating procedures. Duplicate groundwater samples were collected from D-2D (D-22), D-4S (D-42), and D-8D (D-82). Concentrations of carbon tetrachloride and chloroform were within 10% of the original D-2D sample in duplicate D-22. PCE was detected in D-2D but not in the duplicate and TCE was detected in D-22 but not in the original. However, the detections were within 10% of the laboratory reporting limit so the levels may actually be comparable but not above the

reporting limit. Bromoform was detected in D-42 at 0.61 µg/L but not detected at the 0.5 µg/L laboratory reporting limit. Toluene was detected in both D-8D and D-82.

4.0 Groundwater Pathway

4.1 Site Geology

The site area around the Gavilon Grain facility and the Murray Gill Energy Center is broken up into many different soil classifications. Approximately 36 percent is the Vanoss silt loam, 17 percent is the Nalim loam, 15 percent is the Tabler silty clay loam, 13 percent is the Blanket silt loam, 11 percent is the Elandco silt loam, and the remaining 8 percent is split between Shellabarger sandy loam, Milan loam, and Waurika silt loam. These soils all form on paleoterraces or flood plains from alluvial parent material. The majority of the soil material is loam made of silt, silty clay, and sand (Reference 8).

Subsurface sediments include loess and alluvial terrace deposits of Pleistocene Age. Well logs from monitoring wells in the area generally indicate sand and gravel from 10 to 35 feet, clay or sandy clay between 35 and 45 feet, sand and gravel between 45 and 55 feet, sandy clay between 55 and 70 feet, sand and gravel between 70 and 85 feet, clay between 80 and 95 feet, and sand and gravel between 95 feet and bedrock around 100 feet.

Bedrock is the Permian-aged Wellington Formation. The Wellington Formation is part of the Sumner Group and consists mainly of shale. Additional smaller units include limestone, gypsum, and anhydrite (Reference 9).

Groundwater is generally found at approximately 35 feet in depth near the Gavilon Grain facility but is found closer at approximately 55 feet in depth west of the Murray Gill Energy Center due to an increase in ground surface elevation. Groundwater generally moves toward the southeast in the region. However, the wells for the Murray Gill Energy Center have capacities of 1,000 gallons per minute and may affect groundwater flow patterns when activated.

4.2 Groundwater Targets

The groundwater exposure pathway under the HRS is evaluated in part by calculating the number of residents, students, and workers served by water wells located within four miles of the site and determining whether these people are actually or potentially exposed to hazardous substances (Reference 10).

The Kansas Geological Survey WWC-5 database indicates 394 domestic wells within a four-mile radius of the site (Reference 11). There are 2.55 persons per household in Sedgwick County, which equates to 1,005 potential drinking water targets associated with domestic wells (Reference 12). At least eight domestic wells within two miles east and southeast of the site have been taken out of service and a City water supply line has been routed to the houses. Those wells have had detections of carbon tetrachloride above the MCL. However, one residence two miles south-southeast of the Gavilon Grain facility still

uses its domestic well and had a detection of carbon tetrachloride at 0.5 µg/L during a 2014 sampling event by Occidental Chemical. The eight domestic wells taken offline are considered Level I targets and the domestic well still online but with a concentration of carbon tetrachloride below the MCL is considered a Level II target. When multiplied by the average number of persons per household in the County, there are 21 Level I and 3 Level II targets associated with domestic wells.

The KDHE Bureau of Water database indicates there are ten active Public Water Supply (PWS) wells located within four miles of the site. Air Products and Chemicals has two non-transient and non-community water supply wells (15 and 303) located one to two miles southwest serving an estimated population of 60. The Occidental Chemical Corporation has three non-transient and non-community water supply wells (09, 10, and 11) located two to three miles north-northwest serving an estimated population of 285. Dusti's Place LLC has one transient and non-community water supply well (01) located three to four miles north-northwest serving an estimated population of 65. The City of Haysville has two community water supply wells (05 and 06) located three to four miles southeast serving an estimated population of 10,951 (Reference 14). The City of Haysville has five PWS wells. Multiplying the percentage of PWS wells within the target distance limit by the population served gives a total of 4,381 potential targets associated with the Haysville PWS wells (Reference 13).

4.3 Groundwater Pathway Conclusions

A release of hazardous substances to groundwater has been documented at the site. The groundwater pathway appears to pose the most significant threat to public health. Carbon tetrachloride was detected above the MCL in a groundwater sample collected along 47th Street South between the Gavilon Grain facility and the Murray Gill Energy Center. Two other samples indicated carbon tetrachloride below the MCL and three samples indicated chloroform, a breakdown product of carbon tetrachloride, under its MCL. PCE and TCE were also detected at low levels in two samples each.

Eight domestic wells have been taken out of service and replaced by a direct line to the City of Wichita's public water supply due to carbon tetrachloride contamination above the MCL. There are 21 Level I, 3 Level II, and a combined 5,796 potential drinking water targets under HRS that were identified for the SI.

5.0 Surface Water Pathway

5.1 Hydrologic Settings

Surface water flows over land and in roadside ditches generally toward the east until emptying into Cowskin Creek one mile to the east. Cowskin Creek drains into the Wichita Valley Center Floodway 1.5 miles east of the site, which drains into the Arkansas River 9 miles east-southeast of the site. The average annual precipitation in Wichita is 30 inches (Reference 14).

5.2 Surface Water Targets

The surface water exposure pathway under HRS is evaluated in part by calculating the number of residents, students, and workers served by surface water intakes located within 15 miles downstream of the site and whether these people are actually or potentially exposed to hazardous substances. No surface water intakes for drinking water are known to exist within 15 miles downstream of the site.

5.3 Surface Water Pathway Conclusions

No surface water samples were collected during this SI. Given the distance to a perennial surface water feature and the fact that groundwater moves towards the southeast, a release to surface water appears unlikely.

6.0 Soil Exposure and Air Pathways

6.1 Physical Conditions

The site contains a large grain storage facility with active rail lines along its western edge and an active natural gas electricity generation station. The ground surface is a mix of buildings, agricultural land, grass, and paved areas.

6.2 Soil Exposure and Air Pathway Targets

The soil exposure pathway under HRS assesses the risks associated with existing surficial contamination (0-2 feet bgs) at properties on which people live or work. No soil samples were collected during this SI. The likely source areas for the carbon tetrachloride contamination are covered by buildings, concrete, or rail lines. An estimated 50 people work within the vicinity of the contamination source and an estimated 5,000 people live within a four-mile radius of the site.

6.3 Soil Exposure and Air Pathway Conclusions

The HRS soil exposure and air pathways do not currently appear to pose a threat of exposure or potential exposure at the site (the air pathway of HRS addresses outside air only). Indoor air contamination via vapor intrusion may be an issue within the Gavilon Grain facility buildings but does not appear to pose a risk to downgradient structures due to the depth of the contamination and the layer of relatively uncontaminated groundwater above the deeper interval. An observed release of carbon tetrachloride to surface soil has not been documented at the site.

7.0 Summary and Conclusions

The former DeBruce Grain elevator is surrounded by Westar Energy's Murray Gill Energy Center to the north and Atofina Chemical and Occidental Chemical to the southwest.

Atofina Chemical is being addressed by KDHE's Voluntary Cleanup Program for soil and groundwater contamination by carbon tetrachloride, chloroform, PCE, TCE, and other VOCs. Occidental Chemical is being addressed by the EPA for soil and groundwater contamination by carbon tetrachloride, chloroform, PCE, TCE, and other VOCs. During an annual sampling event by Occidental Chemical, carbon tetrachloride was detected at 27 µg/L in the Westar Energy industrial well DW-4, 1 µg/L in industrial well DW-6, and 0.5 µg/L in industrial well DW-11.

The objective of this SI was to determine the source of carbon tetrachloride in the Murray Gill Energy Center industrial wells. Two possible scenarios involved a source northwest and upgradient of the industrial wells or a reversal of groundwater flow to the north-northwest due to industrial well pumping that drew contamination from the grain elevator and chemical plants. The first scenario was tested by sampling domestic wells northwest and west of the Murray Gill Energy Center and a line of direct-push sampling locations along Ridge Road between 47th and 55th Streets South. The second scenario was tested by a line of direct-push sampling locations along 55th Street South between the grain elevator and power plant. All domestic wells and direct-push locations along Ridge Road were non-detect for carbon tetrachloride and chloroform. However, direct-push locations along 55th Street South had detections of carbon tetrachloride, chloroform, PCE, and TCE. One detection of carbon tetrachloride exceeds the MCL. This appears to implicate a reversal of groundwater flow and the drawing of contaminants north by heavy pumping of the Murray Gill Energy Center industrial wells.

The Atofina Chemical site is currently being addressed through KDHE's Voluntary Cleanup and Property Redevelopment Program. The Occidental Chemical facility is being addressed through the RCRA Corrective Action Program under EPA oversight. The Gavilon Grain facility will be encouraged to participate in a KDHE cleanup program. No further Site Assessment consistent with the NCP is necessary if Gavilon Grain participates in a State program to address the DeBruce Grain site.

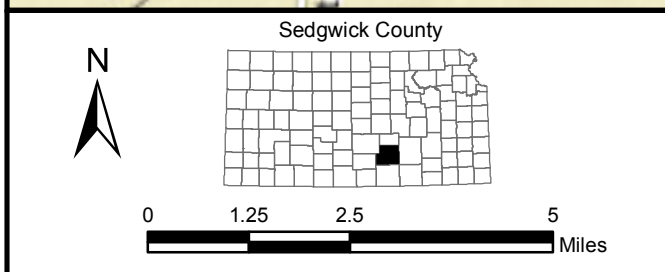
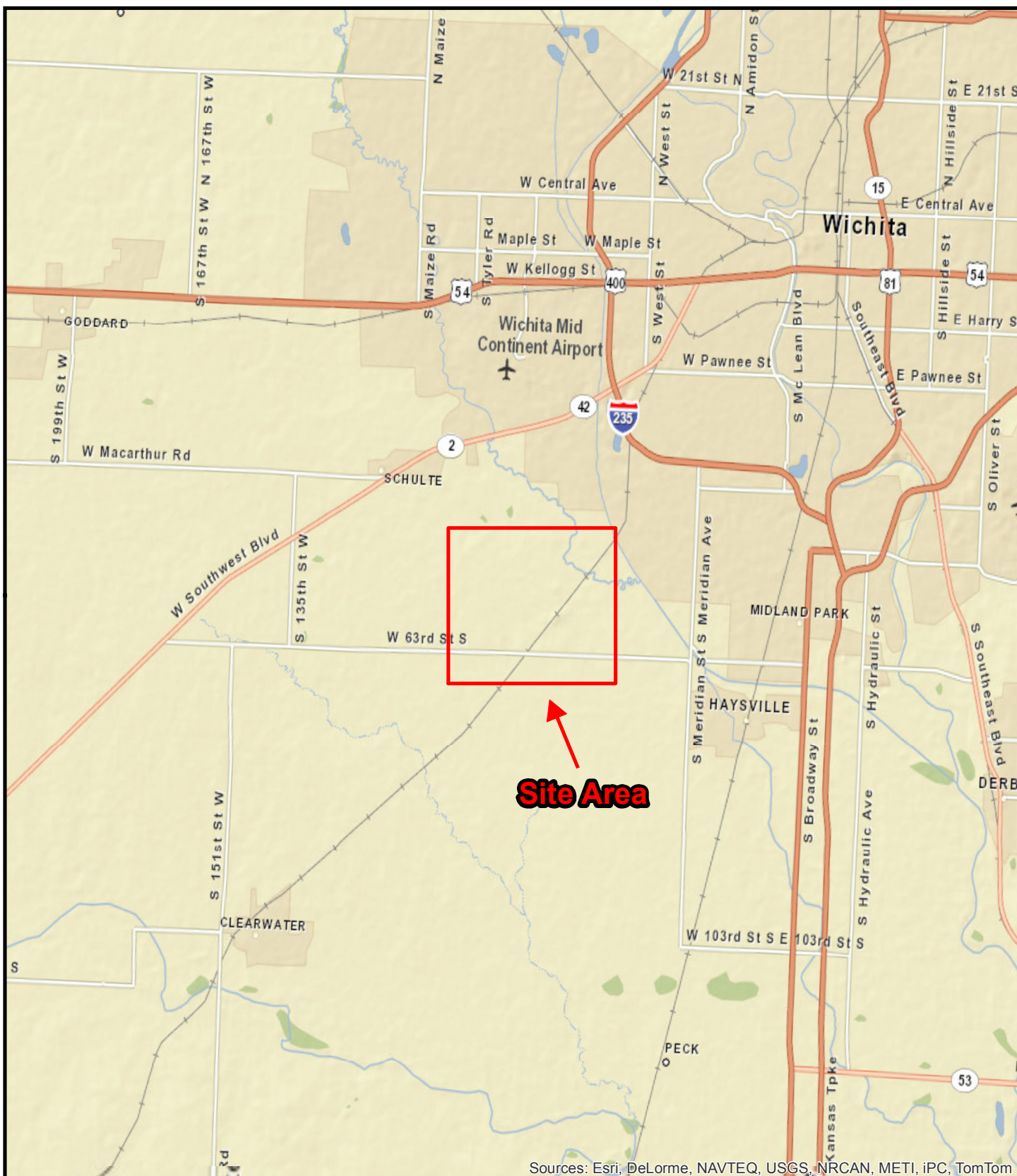
8.0 References

- 1) Environmental Protection Agency. DeBruce Grain Elevator Explosion, facility ID# KSN0000706409.
- 2) Kansas Department of Health and Environment, Division of Environment, Bureau of Environmental Remediation Files. DeBruce Grain site file, ID# C2-087-73093.
- 3) Environmental Protection Agency. Basic Chemicals #J07 site file, facility ID# 110017424312.
- 4) Kansas Department of Health and Environment, Division of Environment, Bureau of Environmental Remediation Files. Atofina Chemicals, Inc., site file, ID# C2-087-71694.

- 5) Agency for Toxic Substances and Disease Registry. Accessed September 3, 2014, from <http://www.atsdr.cdc.gov/>.
- 6) Environmental Protection Agency, National Primary Drinking Water Regulations. Maximum Contaminant Levels. Accessed September 3, 2014, from <http://water.epa.gov/drink/contaminants/index.cfm#List>.
- 7) Kansas Department of Health and Environment, Division of Environment, Bureau of Environmental Remediation. *Risk-Based Standards for Kansas RSK Manual-5th Version*. October 2010.
- 8) United States Department of Agriculture, National Resource Conservation Service. Web Soil Survey. 2011. Accessed September 4, 2014, from <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.
- 9) Lane, Charles W. and Miller, Don E. *Geohydrology of Sedgwick County, Kansas*. 1965. Kansas Geological Survey Bulletin #176. Accessed September 4, 2014, from <http://www.kgs.ku.edu/General/Geology/Sedgwick/index.html>.
- 10) United States Environmental Protection Agency. *The Hazard Ranking System Guidance Manual, Publication 9345.1-07*. November 1992.
- 11) Kansas Geological Survey, water well completion records, form WWC-5. Accessed September 4, 2014, from <http://www.kgs.ku.edu/Magellan/WaterWell/index.html>.
- 12) United States Census Bureau. (2014). *Sedgwick County Quickfacts from the U.S. Census Bureau*. Accessed September 4, 2014, from <http://quickfacts.census.gov/qfd/states/20/20173.html>.
- 13) Kansas Department of Health and Environment, Division of Environment, Bureau of Water Public Water Supply Application, Drinking Water Watch Database for Sedgwick County.
- 14) Citytowninfo.com. Wichita, Kansas. Accessed September 4, 2014, from <http://www.citytowninfo.com/places/kansas/wichita>.

9.0 Appendices

9.1 Figures and Tables

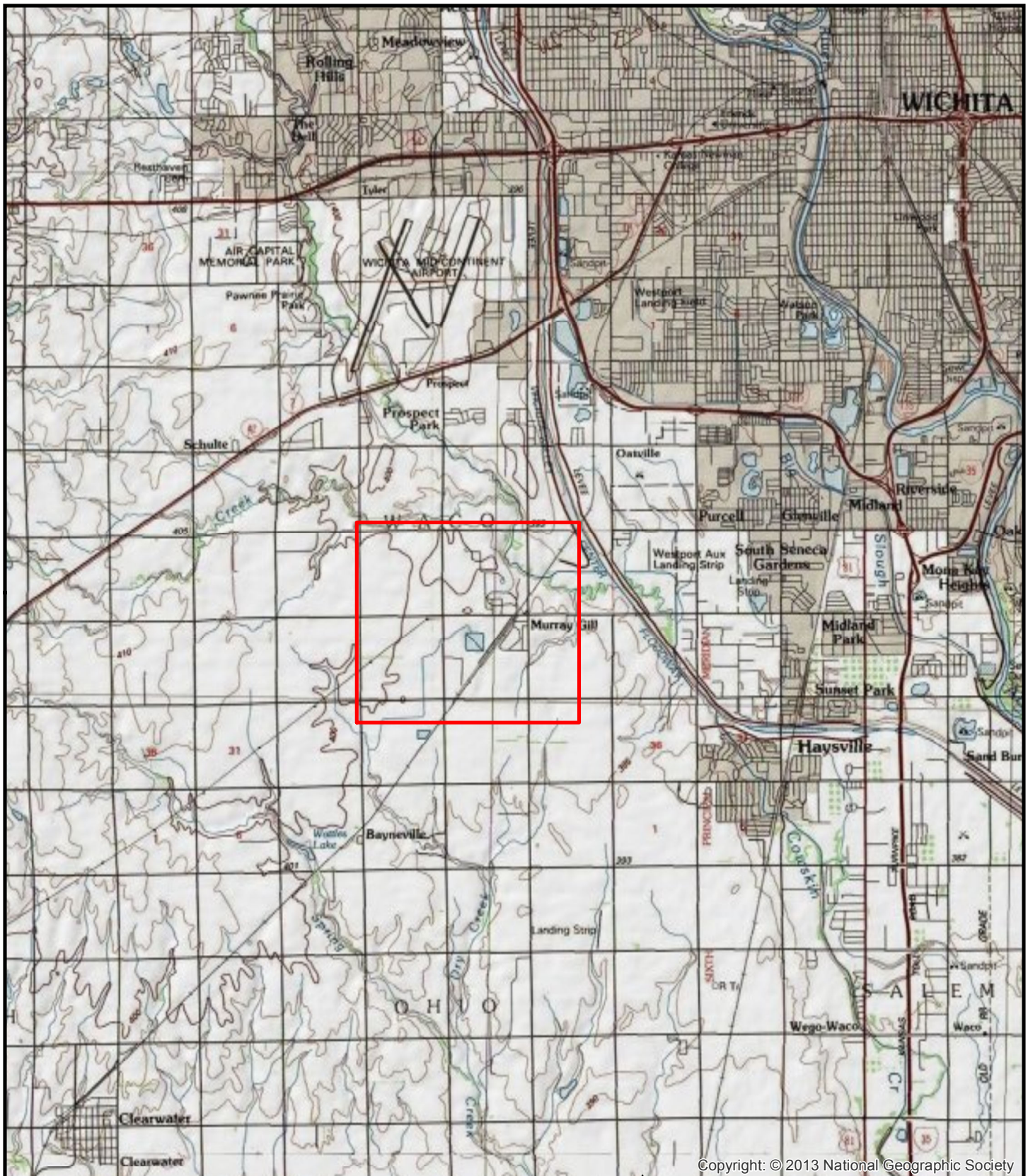


Kansas
Department of Health
and Environment

ADAPTA PER ASPERA

DRAWN BY:	NS	7/22/14
CHECKED BY:	NS	7/22/14

SITE:	DeBruce Grain Wichita, Kansas		
TITLE:	Area Map		
PROJECT PHASE:	Site Inspection		
7/22/14	BASEMAP DATE:	2013	
7/22/14	Figure 1		



Copyright: © 2013 National Geographic Society

LEGEND

Site Area

0 1 2 4 Miles

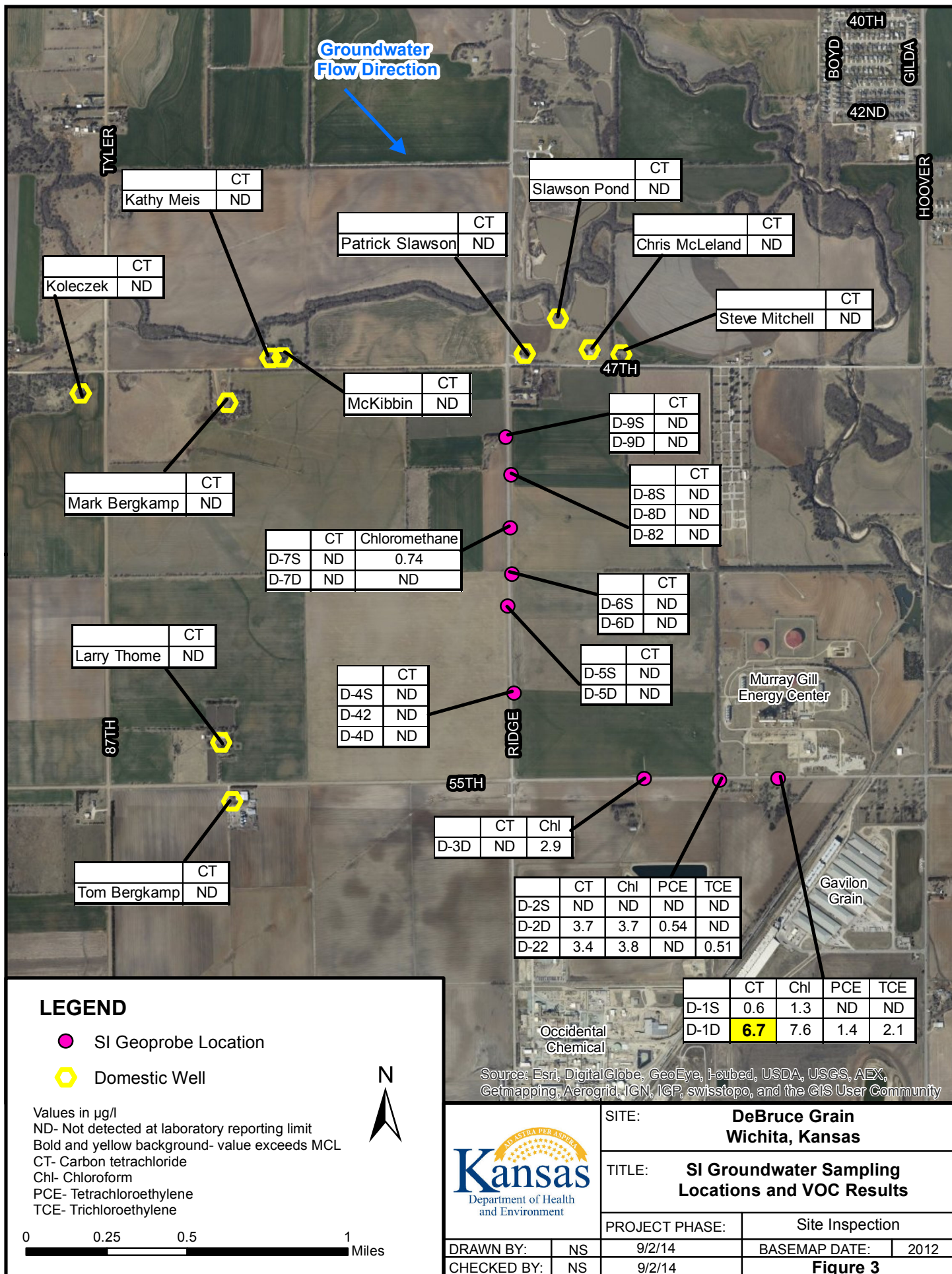


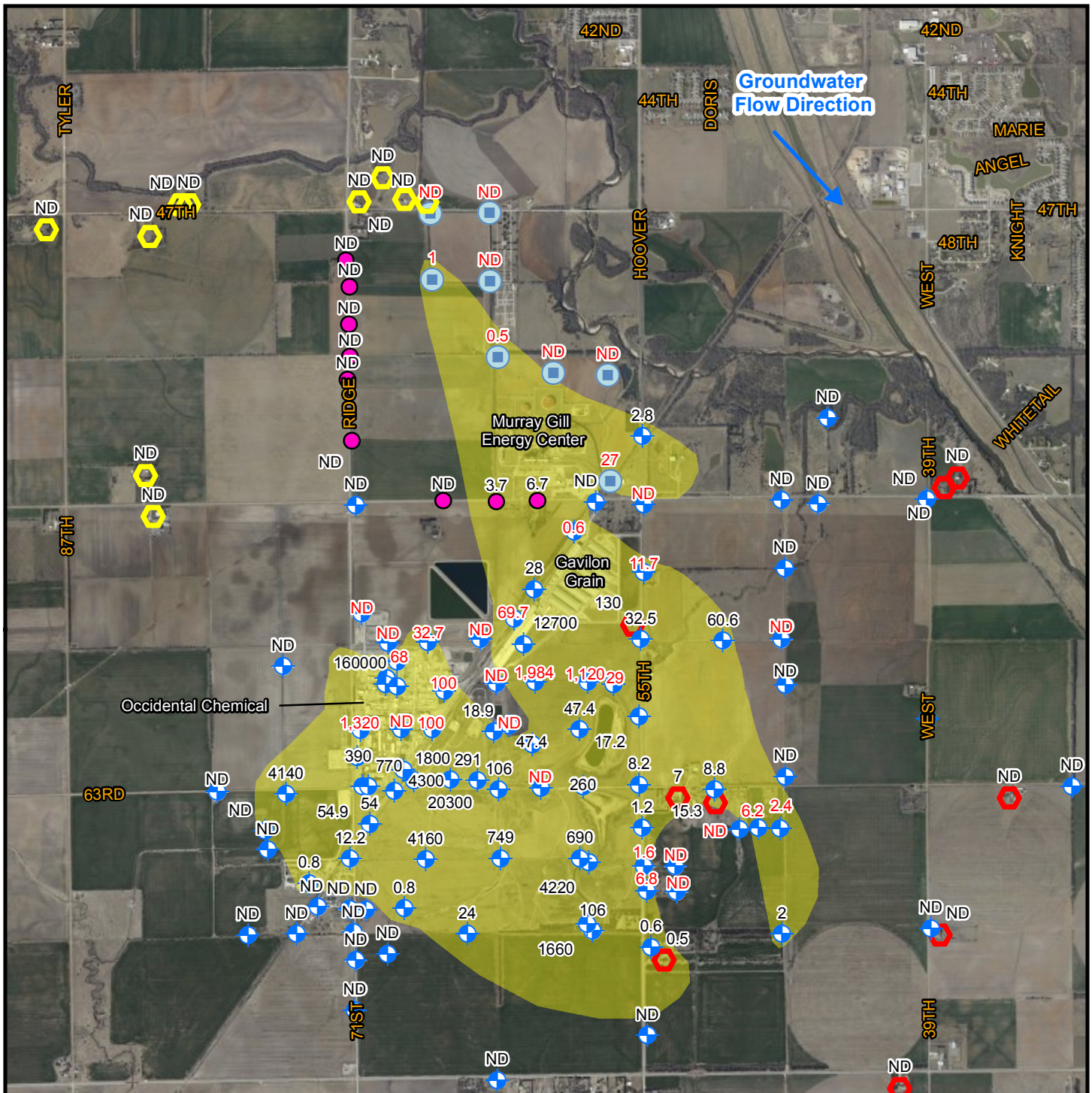
SITE: **DeBruce Grain
Wichita, Kansas**

TITLE: **Topographic Map**

PROJECT PHASE: **Site Inspection**

DRAWN BY:	NS	7/22/14	BASEMAP DATE:	2012
CHECKED BY:	NS	7/22/14	Figure 2	





LEGEND

- SI Geoprobe Location
- ⬢ Domestic Well Sampled During SI
- ⬢ Murray Gill Industrial Well
- ⬢ Oxy Monitoring Well
- ⬢ Domestic Well



0 0.25 0.5
Miles

Values in µg/l
ND- Not detected
8.2 2014 Data, used if possible
0.5 2013 Data

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



SITE:		DeBruce Grain Wichita, Kansas	
TITLE:		Cumulative Carbon Tetrachloride Results from SI and Occidental Chemical Sampling	
PROJECT PHASE:		Site Inspection	
DRAWN BY:	NS	9/4/14	BASEMAP DATE: 2012
CHECKED BY:	NS	9/4/14	Figure 4

Table #1: VOC Results for Groundwater Samples
DeBruce Grain
C2-087-73093

	Date Sampled	Depth	Carbon Tetrachloride	Chloroform	Chloro-methane	PCE	TCE	Toluene	Bromoform
MCL			5	80	NE	5	5	1,000	80
RSK			5	80	127	5	5	1,000	80
Steve Mitchell	7/29/2014	U	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Tom Bergkamp	7/29/2014	U	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Mark Bergkamp	7/29/2014	120	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Larry Thome	7/29/2014	U	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Kathy Meis	7/29/2014	100	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Chris McLeland	7/29/2014	U	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Patrick Slawson DW	7/29/2014	30	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Slawson Pond	7/29/2014	80	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
Koleczek	8/4/2014	135	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
McKibbin	8/4/2014	U	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-1S	8/11/2014	53	0.6	1.3	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-1D	8/11/2014	79	6.7	7.6	ND(<0.5)	1.4	2.1	0.61	ND(<0.5)
D-2S	8/11/2014	54	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-2D	8/11/2014	78	3.7	3.7	ND(<0.5)	0.54	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-22	8/11/2014	78	3.4	3.8	ND(<0.5)	ND(<0.5)	0.51	ND(<0.5)	ND(<0.5)
D-3D	8/11/2014	78	ND(<0.5)	2.9	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-4S	8/11/2014	57	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-42	8/11/2014	57	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	0.61
D-4D	8/11/2014	79	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-5S	8/11/2014	58	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-5D	8/11/2014	78	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-6S	8/12/2014	57	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-6D	8/12/2014	78	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-7S	8/12/2014	58	ND(<0.5)	ND(<0.5)	0.74	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-7D	8/12/2014	78	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-8S	8/12/2014	60	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-8D	8/12/2014	78	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	0.67	ND(<0.5)
D-82	8/12/2014	78	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	0.55	ND(<0.5)
D-9S	8/12/2014	60	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)
D-9D	8/12/2014	78	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)

Comments:

All values in µg/L.
Depth is in feet below ground surface.
U- Unknown depth.
MCL- EPA Maximum Contaminant Level.
RSK- Residential Tier 2 Risk-based
Standards for Kansas.
Bold and yellow background- value exceeds MCL.
ND- Not detected at indicated level.
NE- No MCL or RSK established.

D-22- Duplicate of D-2D
D-42- Duplicate of D-4S
D-82- Duplicate of D-8D
PCE- Tetrachloroethylene
TCE- Trichloroethylene
Source- Kansas Health and
Environmental Laboratories

**Table #2: GPS Data for Sampling Locations
DeBruce Grain
C2-087-73093**

	Latitude	Longitude
D-1	37.59305	-97.41376
D-2	37.59299	-97.41638
D-3	37.59306	-97.41978
D-4	37.59609	-97.42564
D-5	37.59920	-97.42593
D-6	37.60035	-97.42574
D-7	37.60198	-97.42583
D-8	37.60389	-97.42578
D-9	37.60522	-97.42600

Comments: Source- Garmin Legend
 Datum: NAD 83

9.2 Photographic Documentation



Photo 1
View: Southwest
Date: August 11, 2014
Photo by: Nicholas Schneider
Comments: Geoprobe at
location D-1.



Photo 2
View: South
Date: August 12, 2014
Photo by: Nicholas Schneider
Comments: Geoprobe at
location D-6.



Photo 3
View: North
Date: August 12, 2014
Photo by: Nicholas Schneider
Comments: Geoprobe at
location D-6.

9.3 Analytical Data

RECEIVED

AUG 05 2014

ANALYTICAL RESULTS

BUREAU OF
ENVIRONMENTAL REMEDIATION

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160264

Sample ID: Steve Mitchell

Description

Matrix: Water

Date Collected: 7/29/2014 13:15

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		

Report Date: Friday, August 01, 2014 3:15:46 PM

Report ID: 197640 - 982829

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

BER SCANNED

Page 1 of 2

AUG 18 2014

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160264

Sample ID: Steve Mitchell

Description

Matrix: Water

Date Collected: 7/29/2014 13:15

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:59	MJA	7/31/2014 19:59	MJA		

Report Date: Friday, August 01, 2014 3:15:52 PM

Report ID: 197640 - 982829

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED

AUG 05 2014

BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 160258

Sample ID: Tom Bergkamp

Description

Matrix: Water

Date Collected: 7/29/2014 11:00

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		

Report Date: Friday, August 01, 2014 3:15:36 PM

Report ID: 197634 - 982817

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160258

Sample ID: Tom Bergkamp

Description

Matrix: Water

Date Collected: 7/29/2014 11:00

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 17:45	MJA	7/31/2014 17:45	MJA		

Report Date: Friday, August 01, 2014 3:15:41 PM

Report ID: 197634 - 982817

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: N. Schneider

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID: 160259 **Matrix:** Water
Sample ID: Larry Thome **Date Collected:** 7/29/2014 11:10
Description: **Date Received:** 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		

Report Date: Friday, August 01, 2014 3:15:41 PM

Report ID: 197635 - 982819

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160259

Sample ID: Larry Thome

Description

Matrix: Water

Date Collected: 7/29/2014 11:10

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:08	MJA	7/31/2014 18:08	MJA		

Report Date: Friday, August 01, 2014 3:15:41 PM

Report ID: 197635 - 982819

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160261

Sample ID: Kathy Meis

Description:

Matrix: Water

Date Collected: 7/29/2014 11:40

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		

Report Date: Friday, August 01, 2014 3:15:44 PM

Report ID: 197637 - 982823

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160261

Sample ID: Kathy Meis

Description

Matrix: Water

Date Collected: 7/29/2014 11:40

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:52	MJA	7/31/2014 18:52	MJA		

Report Date: Friday, August 01, 2014 3:15:52 PM

Report ID: 197637 - 982823

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED

AUG 05 2014

BUREAU OF
ENVIRONMENTAL REMEDIATION

Client ID: BER001

State ID:

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160265

Sample ID: Chris Mcleland

Description

Matrix: Water

Date Collected: 7/29/2014 13:30

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		

Report Date: Friday, August 01, 2014 3:16:03 PM

Report ID: 197641 - 982831

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160265

Sample ID: Chris Mcleland

Description

Matrix: Water

Date Collected: 7/29/2014 13:30

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 20:21	MJA	7/31/2014 20:21	MJA		

Report Date: Friday, August 01, 2014 3:16:03 PM

Report ID: 197641 - 982831

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED

AUG 05 2014

BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 160263

Sample ID: Slawson Pond

Description

Matrix: Water

Date Collected: 7/29/2014 12:15

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		

Report Date: Friday, August 01, 2014 3:15:45 PM

Report ID: 197639 - 982827

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160263

Matrix: Water

Sample ID: Slawson Pond

Date Collected: 7/29/2014 12:15

Description

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:37	MJA	7/31/2014 19:37	MJA		

Report Date: Friday, August 01, 2014 3:15:52 PM

Report ID: 197639 - 982827

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED

AUG 05 2014

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

BUREAU OF
ENVIRONMENTAL REMEDIATION

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160260

Sample ID: Mark Bergkamp

Description

Matrix: Water

Date Collected: 7/29/2014 11:30

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		

Report Date: Friday, August 01, 2014 3:15:36 PM

Report ID: 197636 - 982821

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160260

Sample ID: Mark Bergkamp

Description

Matrix: Water

Date Collected: 7/29/2014 11:30

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 18:30	MJA	7/31/2014 18:30	MJA		

Report Date: Friday, August 01, 2014 3:15:41 PM

Report ID: 197636 - 982821

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED

AUG 05 2014

ANALYTICAL RESULTS

BUREAU OF
ENVIRONMENTAL REMEDIATION

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: **160262**
Sample ID: **Patrick Slawson DW**
Description

Matrix: Water
Date Collected: 7/29/2014 12:00
Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Chloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Bromomethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Chloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
MTBE	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Xylene	<1.0	ug/L	1.0	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Chloroform	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Benzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Toluene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		

Report Date: Friday, August 01, 2014 3:15:46 PM

Report ID: 197638 - 982825

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 160262

Sample ID: Patrick Slawson DW

Description

Matrix: Water

Date Collected: 7/29/2014 12:00

Date Received: 7/30/2014 15:57

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
o-Xylene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Styrene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
Naphthalene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	7/31/2014 19:15	MJA	7/31/2014 19:15	MJA		

Report Date: Friday, August 01, 2014 3:15:52 PM

Report ID: 197638 - 982825

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Collector: Kyle Parker

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID: 173589 **Matrix:** Water
Sample ID: 8901 W 42nd St **Date Collected:** 8/4/2014 16:45
Description: **Date Received:** 8/18/2014 08:27

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
MTBE	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Xylene	<1.0	ug/L	1.0	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Benzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Toluene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		

Report Date: Friday, August 22, 2014 6:18:29 AM

Report ID: 206025 - 1083837

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: Kyle Parker

Lab ID: 173589

Sample ID: 8901 W 42nd St

Description

Matrix: Water

Date Collected: 8/4/2014 16:45

Date Received: 8/18/2014 08:27

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Styrene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:44	MJA	8/18/2014 16:44	MJA		

Report Date: Friday, August 22, 2014 6:18:33 AM

Report ID: 206025 - 1083837

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

RECEIVED

AUG 28 2014

Client ID: BER001
State ID:

BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: Kyle Parker

Lab ID: 173588
Sample ID: 8026 W. 47th
Description:

Matrix: Water
Date Collected: 8/4/2014 15:40
Date Received: 8/18/2014 08:27

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
MTBE	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Xylene	<1.0	ug/L	1.0	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Benzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Toluene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		

Report Date: Wednesday, August 27, 2014 3:36:13 PM

Report ID: 206024 - 1099024

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

RECEIVED

AUG 28 2014

Client ID: BER001
State ID:

Collector: Kyle Parker

BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID: 173588
Sample ID: 8026 W. 47th
Description:

Matrix: Water
Date Collected: 8/4/2014 15:40
Date Received: 8/18/2014 08:27

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Styrene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/18/2014 16:21	MJA	8/18/2014 16:21	MJA		

Report Date: Wednesday, August 27, 2014 3:36:17 PM

Report ID: 206024 - 1099024

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Collector: N. Schneider

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID: 170602

Matrix: Water

Sample ID: D-1S

Date Collected: 8/11/2014 11:50

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Chloroform	1.3	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Carbon tetrachloride	0.60	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		

Report Date: Tuesday, August 19, 2014 6:00:40 PM

Report ID: 203638 - 1068240

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170602

Sample ID: D-1S

Description

Matrix: Water

Date Collected: 8/11/2014 11:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:21	MJA	8/13/2014 19:21	MJA		

Report Date: Tuesday, August 19, 2014 6:00:41 PM

Report ID: 203638 - 1068240

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170601

Sample ID: D-1D

Description

Matrix: Water

Date Collected: 8/11/2014 11:40

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Chloroform	7.6	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Carbon tetrachloride	6.7	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Trichloroethylene	2.1	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Toluene	0.61	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Tetrachloroethylene	1.4	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		

Report Date: Tuesday, August 19, 2014 6:00:38 PM

Report ID: 203637 - 1068238

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170601

Matrix: Water

Sample ID: D-1D

Date Collected: 8/11/2014 11:40

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 18:59	MJA	8/13/2014 18:59	MJA		

Report Date: Tuesday, August 19, 2014 6:00:39 PM

Report ID: 203637 - 1068238

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

RECEIVED

AUG 25 2014

BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170604

Sample ID: D-2S

Description

Matrix: Water

Date Collected: 8/11/2014 13:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		

Report Date: Tuesday, August 19, 2014 6:00:43 PM

Report ID: 203640 - 1068244

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170604

Sample ID: D-2S

Description

Matrix: Water

Date Collected: 8/11/2014 13:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:06	MJA	8/13/2014 20:06	MJA		

Report Date: Tuesday, August 19, 2014 6:00:44 PM

Report ID: 203640 - 1068244

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Collector: N. Schneider

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID: 170603

Matrix: Water

Sample ID: D-2D

Date Collected: 8/11/2014 13:30

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Chloroform	3.7	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Carbon tetrachloride	3.7	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Tetrachloroethylene	0.54	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		

Report Date: Tuesday, August 19, 2014 6:00:40 PM

Report ID: 203639 - 1068242

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170603

Sample ID: D-2D

Description

Matrix: Water

Date Collected: 8/11/2014 13:30

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 19:43	MJA	8/13/2014 19:43	MJA		

Report Date: Tuesday, August 19, 2014 6:00:41 PM

Report ID: 203639 - 1068242

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170605

Sample ID: D-22

Description

Matrix: Water

Date Collected: 8/11/2014 13:40

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Chloroform	3.8	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Carbon tetrachloride	3.4	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Trichloroethylene	0.51	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		

Report Date: Tuesday, August 19, 2014 6:00:45 PM

Report ID: 203641 - 1068246

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170605

Sample ID: D-22

Description

Matrix: Water

Date Collected: 8/11/2014 13:40

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:28	MJA	8/13/2014 20:28	MJA		

Report Date: Tuesday, August 19, 2014 6:00:45 PM

Report ID: 203641 - 1068246

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170606

Sample ID: D-3D

Description

Matrix: Water

Date Collected: 8/11/2014 15:10

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Chloroform	2.9	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		

Report Date: Tuesday, August 19, 2014 6:00:46 PM

Report ID: 203642 - 1068248

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170606

Sample ID: D-3D

Description

Matrix: Water

Date Collected: 8/11/2014 15:10

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 20:50	MJA	8/13/2014 20:50	MJA		

Report Date: Tuesday, August 19, 2014 6:00:46 PM

Report ID: 203642 - 1068248

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170608

Sample ID: D-4S

Description

Matrix: Water

Date Collected: 8/11/2014 17:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		

Report Date: Tuesday, August 19, 2014 6:00:47 PM

Report ID: 203644 - 1068252

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170608

Sample ID: D-4S

Description

Matrix: Water

Date Collected: 8/11/2014 17:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:35	MJA	8/13/2014 21:35	MJA		

Report Date: Tuesday, August 19, 2014 6:00:48 PM

Report ID: 203644 - 1068252

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170609

Sample ID: D-42

Description

Matrix: Water

Date Collected: 8/11/2014 18:00

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		

Report Date: Tuesday, August 19, 2014 6:00:49 PM

Report ID: 203645 - 1068254

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170609

Sample ID: D-42

Description

Matrix: Water

Date Collected: 8/11/2014 18:00

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Bromoform (THM)	0.61	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:57	MJA	8/13/2014 21:57	MJA		

Report Date: Tuesday, August 19, 2014 6:00:49 PM

Report ID: 203645 - 1068254

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
ENVIRONMENTAL REMEDIATION
BUREAU OF

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170607

Matrix: Water

Sample ID: D-4D

Date Collected: 8/11/2014 17:30

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		

Report Date: Tuesday, August 19, 2014 6:00:47 PM

Report ID: 203643 - 1068250

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170607

Sample ID: D-4D

Description

Matrix: Water

Date Collected: 8/11/2014 17:30

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 21:12	MJA	8/13/2014 21:12	MJA		

Report Date: Tuesday, August 19, 2014 6:00:47 PM

Report ID: 203643 - 1068250

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170611

Matrix: Water

Sample ID: D-5S

Date Collected: 8/11/2014 19:00

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		

Report Date: Tuesday, August 19, 2014 6:00:51 PM

Report ID: 203647 - 1068258

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170611

Sample ID: D-5S

Description

Matrix: Water

Date Collected: 8/11/2014 19:00

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:42	MJA	8/13/2014 22:42	MJA		

Report Date: Tuesday, August 19, 2014 6:00:51 PM

Report ID: 203647 - 1068258

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170610
Sample ID: D-5D
Description

Matrix: Water
Date Collected: 8/11/2014 18:50
Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		

Report Date: Tuesday, August 19, 2014 6:00:50 PM

Report ID: 203646 - 1068256

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170610

Sample ID: D-5D

Description

Matrix: Water

Date Collected: 8/11/2014 18:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 22:19	MJA	8/13/2014 22:19	MJA		

Report Date: Tuesday, August 19, 2014 6:00:50 PM

Report ID: 203646 - 1068256

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER004
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170613

Matrix: Water

Sample ID: D-6S

Date Collected: 8/12/2014 08:10

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		

Report Date: Tuesday, August 19, 2014 6:00:52 PM

Report ID: 203649 - 1068264

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170613

Sample ID: D-6S

Description

Matrix: Water

Date Collected: 8/12/2014 08:10

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:26	MJA	8/13/2014 23:26	MJA		

Report Date: Tuesday, August 19, 2014 6:00:52 PM

Report ID: 203649 - 1068264

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170612

Sample ID: D-6D

Description

Matrix: Water

Date Collected: 8/12/2014 08:00

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		

Report Date: Tuesday, August 19, 2014 6:00:52 PM

Report ID: 203648 - 1068262

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170612

Sample ID: D-6D

Description

Matrix: Water

Date Collected: 8/12/2014 08:00

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:04	MJA	8/13/2014 23:04	MJA		

Report Date: Tuesday, August 19, 2014 6:00:52 PM

Report ID: 203648 - 1068262

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: **170615** Matrix: Water
Sample ID: **D-7S** Date Collected: 8/12/2014 09:30
Description Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Chloromethane	0.74	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
MTBE	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Xylene	<1.0	ug/L	1.0	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Benzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Toluene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		

Report Date: Tuesday, August 19, 2014 6:00:54 PM

Report ID: 203651 - 1068268

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170615

Sample ID: D-7S

Description

Matrix: Water

Date Collected: 8/12/2014 09:30

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Styrene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:11	MJA	8/14/2014 00:11	MJA		

Report Date: Tuesday, August 19, 2014 6:00:54 PM

Report ID: 203651 - 1068268

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED

AUG 25 2014

BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170614 Matrix: Water
Sample ID: D-7D Date Collected: 8/12/2014 09:20
Description Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260 Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
MTBE	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Xylene	<1.0	ug/L	1.0	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Benzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Toluene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		

Report Date: Tuesday, August 19, 2014 6:00:53 PM

Report ID: 203650 - 1068266

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170614

Sample ID: D-7D

Description

Matrix: Water

Date Collected: 8/12/2014 09:20

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Styrene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/13/2014 23:49	MJA	8/13/2014 23:49	MJA		

Report Date: Tuesday, August 19, 2014 6:00:54 PM

Report ID: 203650 - 1068266

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: N. Schneider

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID:	170618	Matrix:	Water
Sample ID:	D-8S	Date Collected:	8/12/2014 10:50
Description		Date Received:	8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260 Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
MTBE	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Xylene	<1.0	ug/L	1.0	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Benzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Toluene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		

Report Date: Tuesday, August 19, 2014 6:00:55 PM
Report ID: 203654 - 1068274

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: N. Schneider

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Lab ID: 170618

Matrix: Water

Sample ID: D-8S

Date Collected: 8/12/2014 10:50

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Styrene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:18	MJA	8/14/2014 01:18	MJA		

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170617

Sample ID: D-82

Description

Matrix: Water

Date Collected: 8/12/2014 10:40

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
MTBE	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Xylene	<1.0	ug/L	1.0	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Benzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Toluene	0.55	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		

Report Date: Tuesday, August 19, 2014 6:00:56 PM

Report ID: 203653 - 1068272

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170617

Sample ID: D-82

Description

Matrix: Water

Date Collected: 8/12/2014 10:40

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Styrene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:55	MJA	8/14/2014 00:55	MJA		

Report Date: Tuesday, August 19, 2014 6:00:56 PM

Report ID: 203653 - 1068272

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170616

Matrix: Water

Sample ID: D-8D

Date Collected: 8/12/2014 10:30

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
MTBE	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Xylene	<1.0	ug/L	1.0	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Benzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Toluene	0.67	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		

Report Date: Tuesday, August 19, 2014 6:00:54 PM

Report ID: 203652 - 1068270

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170616

Sample ID: D-8D

Description

Matrix: Water

Date Collected: 8/12/2014 10:30

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Styrene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 00:33	MJA	8/14/2014 00:33	MJA		

Report Date: Tuesday, August 19, 2014 6:00:54 PM

Report ID: 203652 - 1068270

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170620

Matrix: Water

Sample ID: D-9S

Date Collected: 8/12/2014 12:50

Description

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260			Preparation Method: EPA 8260							
Analytical Method: EPA 8260										
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
MTBE	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Xylene	<1.0	ug/L	1.0	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Benzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Toluene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		

Report Date: Tuesday, August 19, 2014 6:00:57 PM

Report ID: 203656 - 1068278

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Collector: N. Schneider

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Lab ID: 170620

Sample ID: D-9S

Description

Matrix: Water

Date Collected: 8/12/2014 12:50

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Styrene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 02:02	MJA	8/14/2014 02:02	MJA		

Report Date: Tuesday, August 19, 2014 6:00:58 PM

Report ID: 203656 - 1068278

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

ANALYTICAL RESULTS

Submitter: BER Remedial Section
Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-73093
Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170619
Sample ID: D-9D
Description

Matrix: Water
Date Collected: 8/12/2014 12:40
Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	----	------	----	----------	----	------	--------

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

1,1-Dichloroethylene	<0.5	ug/L	0.5	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Dichlorodifluoromethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Chloromethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Vinyl Chloride	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Bromomethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Chloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Trichlorofluoromethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,1-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Dichloromethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
MTBE	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
trans 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
cis 1,2-Dichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
2,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Xylene	<1.0	ug/L	1.0	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Bromochloromethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Chloroform	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Carbon tetrachloride	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,1-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Benzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2-Dichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Trichloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Dibromomethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Bromodichloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
cis-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
trans-1,3-Dichloropropene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Toluene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Tetrachloroethylene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,3-Dichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Dibromochloromethane (THM)	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Chlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		

Report Date: Tuesday, August 19, 2014 6:00:56 PM

Report ID: 203655 - 1068276

Page 1 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.

RECEIVED
AUG 25 2014
BUREAU OF
ENVIRONMENTAL REMEDIATION

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Farrell Dallen
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-73093

Location Desc: DeBruce Grain

Collector: N. Schneider

Lab ID: 170619

Sample ID: D-9D

Description

Matrix: Water

Date Collected: 8/12/2014 12:40

Date Received: 8/12/2014 16:15

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Ethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
m,p-Xylene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
o-Xylene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Styrene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Bromoform (THM)	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Isopropylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
n-Propylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Bromobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
4-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
2-Chlorotoluene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,3,5-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
tert-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2,4-Trimethylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
sec-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
p-Isopropyltoluene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
n-Butylbenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,4-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2-Dibromo-3-chloropropane	<0.020	ug/L	0.020	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Hexachlorobutadiene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
Naphthalene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1	8/14/2014 01:40	MJA	8/14/2014 01:40	MJA		

Report Date: Tuesday, August 19, 2014 6:00:57 PM

Report ID: 203655 - 1068276

Page 2 of 2

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of KHEL.







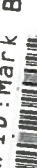
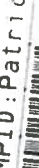


Environmental Chain of Custody Form



5551

Client:	BER Remedial Section	Location Name:	DeBruce Grain	Notes:	
Profile:	Site Assessment Program	Collector:	N. Schneider		
Location Code:	C2-087-73093	Event Desc:	File ...rain-2014-7-29-16-54-14-2315.csv		

Additional Report Recipients		BUREAU OF ENVIRONMENTAL REMEDIATION	
To	Address	To	Address

#	Matrix	Sample ID, Description	Collection		Sample Comments	W R260 VOC	Analyses				Total number of containers	Field Test Results				
			Actual Collection				Sample Depth	Field Filtered	DO	Temp		pH	Conductivity			
			Date	Time												
1	W	Chris Mcleland Entry ID:43530	7-29-14	13:30		X	 HSN: 160265 SAMPID: Chris Mcleland	2								
2	W	Kathy Meis Entry ID:43526	7-29-14	11:40		X	 HSN: 160261 SAMPID: Kathy Meis	2								
3	W	Larry Thome Entry ID:43524	7-29-14	11:10		X	 HSN: 160259 SAMPID: Larry Thome	2								
4	W	Mark Bergkamp Entry ID:43525	7-29-14	11:30		X	 HSN: 160260 SAMPID: Mark Bergkamp	2								
5	W	Patrick Slawson DW Entry ID:43527	7-29-14	12:00		X	 HSN: 160262 SAMPID: Patrick Slawson	2								
6	W	Slawson Pond Entry ID:43528	7-29-14	12:15		X	 HSN: 160263 SAMPID: Slawson Pond	2								
7	W	Steve Mitchell Entry ID:43529	7-29-14	13:15		X	 HSN: 160264 SAMPID: Steve Mitchell	2								
8	W	Tom Bergkamp Entry ID:43523	7-29-14	11:00		X	 HSN: 160258 SAMPID: Tom Bergkamp	2								

Transfers	Released By	Date/Time	Received By	Date/Time	Sample Condition		Receipt Temperature:
					Received on Ice	Samples Intact	
1	Ant Shin	7-29-14 17:00	Den		Y	N	
2					Y	N	
3					Y	N	

DIV. OF H&E
 LABORATORIES
 2014 JUL 30 PM 4:08



Environmental Chain of Custody Form

Department of Health
and Environment
Health and Environmental Laboratories



5852

Additional Report Recipients Only to

To Nicholas Schneider To

Address Curtis SOB Sta. 46 Address

Client:	BER Remedial Section	Location Name:	DeBruce Grain	Notes:
Profile:	Site Assessment Program	Collector:	N. Schneider	
Location Code:	C2-087-73093	Event Desc:	File ...rain-2014-8-12-15-50-31-2515.csv	

#	Matrix Codes: DW=Drinking Water W=Water WW=Waste Water SO=Soil SL=Solid SD=Sediment	Sample ID, Description	Matrix	Collection		Sample Comments	W 8260 VOC	Analyses										Total number of containers	Field Test Results					
				Actual Collection				Sample Depth	Field Filtered	DO	Temp	pH	Conductivity											
				Date	Time																			
1		D-1D Entry ID:46923	W	8-11-14	11:40		X																	
2		D-1S Entry ID:46924	W	8-11-14	11:50		X																	
3		D-22 Entry ID:46927	W	8-11-14	13:40		X																	
4		D-2D Entry ID:46925	W	8-11-14	13:30		X																	
5		D-2S Entry ID:46926	W	8-11-14	13:50		X																	
6		D-3D Entry ID:46928	W	8-11-14	15:10		X																	
7		D-42 Entry ID:46931	W	8-11-14	18:00		X																	
8		D-4D Entry ID:46929	W	8-11-14	17:30		X																	
9		D-4S Entry ID:46930	W	8-11-14	17:50		X																	

#	Matrix Codes: DW- Drinking Water Water WW-Waste Water SL-Soil AD- Sediment OTH-Other	Matrix	Collection		Sample Comments	Analyses								Total number of containers	Field Test Results																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			Actual Collection			W 8260 VOC									Sample Depth	Field Filtered	DO	Temp	pH	Conductivity																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			Date	Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
10	D-5D Entry ID:46932	W	8-11-14	18:50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

#	Matrix Codes: DW- Drinking Water W- Water WW-Waste Water SL-Soil AD- Sediment OTH-Other	Matrix	Collection		Sample Comments	Analyses				Total number of containers	Field Test Results						
			Date	Time		W 8260 VOC						Sample Depth	Field Filtered	DO	Temp	pH	Conductivity
15																	
16																	
17																	
18																	

Transfers	Released By	Date/Time	Received By	Date/Time	Sample Condition		Receipt	
					Received on Ice	Samples Intact	Temperature:	
1	<i>2/28/14</i>	8-12-14 15:55	<i>Ron</i>		Y	N	Y	N
2					Y	N	Y	N
3					Y	N	Y	N

2014 AUG 12 PM 4:04

DIV. OF H&E
LABORATORIES

Kansas Department of Health and Environmental Laboratories Environmental Chain of Custody Form



5645

Additional Report Recipients

To	Nicholas Schneider	To	Kyle Parker
Address	Curtis State Office 1000 SW Jackson	Address	500 130 S. MARKET Wichita, KS
Notes:			

Client:	BER	Location Name:	DEBRUCE GRAIN
Profile:		Collector:	K. PARKER
Location Code:	C20873093	Event Desc:	

#	Matrix	Sample ID, Description W=Water WW=Waste Water SO=Soil SL=Solid SD=Sediment	Collection		Sample Comments	Analyses	Total number of containers	Field Test Results			
			Date	Time				Sample Depth	Field Filtered	DO	Temp
1	W	J.D. KOLECZEK 8001 W. 47th St. CLEARWATER, KS	8/4/14	1540			2				
2	"	Bill Mc KIBB II 8026 W. 47th St. CLEARWATER, KS	11	1645			2				
3											
4											
5											
6											

Transfers	Released By	Date/Time	Received By	Date/Time	Sample Condition		Receipt Temperature:
1	Kyle Parker	8/5/14	>HYPED UPS	8/5/14	Received on Ice	Y	
2					Samples Intact	N	
3						N	

9.4 Field Notes

7-29-14: 10:30- Nicholas Schneider arrives onsite

Tom Bergkamp - 8231 W. 55th Street South Clearwater, KS 67026

asks that we do not share data with John Dusen, who is trying to get a C+D landfill permit for nearby. Sampled at 11:10 after purging 3 min outside faucet.

Larry Thomsen 8306 W. 55th Street South, Clearwater, KS 67026

Purged outside faucet 3 min, sampled at 11:10.

Mark Bergkamp 8431 W. 47th St. South, Send to Tom Bergkamp (Mark's father)

No pump on well, sampled with kabi at 11:30

Kathy Mies - 8120 W. 47th St. South Clearwater 67026

Outside faucet, Purged 3 min, sampled at 11:40

Patrick Slawson 4750 S. Ridge Rd. 67215

"think house well is 25-30 ft deep

Domestic - Purged 3 min, sampled at 12:00

Slawson Pond - Pond Filter well, he thinks it's ~90' deep.

Purged 2 min, sampled at 12:15

316-648-8823 David - call to set up 6220 W. 47th St. Sampling

Steve Mitchell (Kathy) 6724 W. 47th St. South 67215

outside faucet, purged 3 min & sampled at 13:15

He says they don't drink the water

Chris McLeland 6900 W. 47th St. South

Outside faucet, purged 3 min & sampled at 13:30

Stopped by house across from grain elevator, man says he has a well yet but is on city water.

14:30 - left site

8-11-14: 10:45. Nicholas Schneider & Farrell Dallen arrive onsite.

D-10: Probed to 79'. Purged 1L and sampled at 11:40

D-15: Pulled rods up to 53'. Purged 2L and sampled at 11:50
Picture: SW 01 37.59305 -97.41276

12:30-13:00- break for lunch

D-20: Probed to 78'. Purged 1L and sampled at 13:30

D-22: Duplicate of D-20 @ 13:40

D-25: Pulled rods up to 54'. Purged 2L and sampled at 13:50
37.59299 -97.41638

D-30: Probed to 78'. Purged 1L and Sampled at 15:10

~~D-35: Pulled rods up to 55' and purged 2L and sampled at 15:30~~

~~D-32: Duplicate of D-35 @ 15:40~~

NLS

No sample at D-35- DRY @ 53, 48, 43'
37.59306 -97.41978

14:30-17:00- Decon at air wash

skipped western most probe location on 55th due to steep ditches and nowhere to pull off road to probe.

D-40: Probed to 79'. Purged 1L and collected at 17:30

D-45: Pulled up to 57'. Purged 2L and collected at 17:50

D-42: Duplicate of D-45 at 18:00 37.59609 -97.42564

D-50: Probed to 78'. Purged 1L and collected at 18:50

D-55: Pulled up to 58'. Purged 2L and collected at 19:00
37.59920 -97.42593

19:20- left site

8-12-14: 7:30- arrive onsite

D-60: Probed to 78'. Purged 1L and collected at 8:00

D-65: Pulled up to 57'. Purged 2L and collected at 8:10
37.60035 -97.42574

8-12-14

D-7D: Probed to 78'. Purged 1L and collected at 9:20

D-7S: Pulled up to 58'. Purged 2L and collected at 9:30
37.60188 -92.42583

D-8D: Probed to 78'. Purged 1L and collected at 10:30

D-82: Duplicate of D-8D @ 10:40

D-8S: Pulled up to 60'. Barely any water. Purged 1L and collected
at 10:50

37.60389 -92.42578

11:00 - went to decon + lunch

12:15 - back at site

D-9D: Probed to 78'. Purged 1L and collected at 12:40

D-9S: Pulled rods up to 60'. Purged 2L and collected at 12:50
37.60522 -92.42600

13:15 - left site